



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sten Lindau

Application No.: 09/914,955

Filed: September 6, 2001

Art Unit: --

Examiner: --

#7/IDS  
marsha  
1/8/02

For: QUANTUM WELL BASED TWO-DIMENSIONAL DETECTOR FOR IR RADIATION  
AND CAMERA SYSTEM WITH SUCH A DETECTOR

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

For insuring compliance with the applicant's duty of disclosure under 37 CFR § 1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449, for consideration by the Examiner in charge of the above-identified patent application.

European Patent 0 508 970 is believed to be an English language equivalent of Swedish patent 9101034.

- These documents are being submitted (check only one of the next four boxes):
- ☐ within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due);
  - ☒ before receiving a first Office Action on the merits of the above-identified patent application; or before receiving a first Office Action after filing of a Request for Continued Examination (no fee is due);
  - ☐ following receipt of a first Office Action, but before issuance of a Final Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked);

OR

RECEIVED  
DEC 12 2001  
MAIL ROOM

- ☐ following receipt of a Notice of Allowance or a Final Office Action (if this box is checked, the next box and one of the last two boxes also must be checked).
- ☐ The Commissioner is hereby authorized to charge Deposit Account 19-5127, Order No. \_\_\_\_\_ in the amount of \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p).
- ☐ The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by a foreign patent office in a counterpart application.
- ☐ The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission.

The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 19-5127, Order No. 19391.0028. A duplicate copy of this authorization is attached for the Finance Branch.

Respectfully submitted,



Eric J. Franklin, Reg. No. 37,134  
Swidler Berlin Shereff Friedman, LLP  
3000 K Street, N.W., Suite 300  
Washington, D.C. 20007-5116  
202 424-7500

Date: 12-12-01

FORM PTO-1449

Attorney Docket:

Application No.:

19391.0028

09/914,955

**INFORMATION DISCLOSURE CITATION**

Applicant:

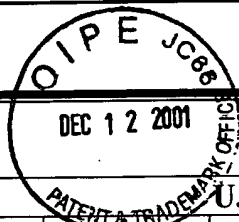
Examiner:

Sten Lindau

Filing Date:

Group Art Unit:

September 6, 2001

**U.S. PATENT DOCUMENTS**

Examiner Initial	Ref. No	Document Number	Date	Name	Class	Sub-Class	Filing Date
	1	5,075,749	12/24/01	Chi et al.			
	2	5,485,015	01/16/96	Choi			
	3	5,506,419	04/09/96	Levine et al.			
	4	5,539,206	07/23/96	Schimert			

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
	5	✓ 0508970	10/14/92	EPO			
	6	✓ 0617471	06/17/98	EPO			

**OTHER DOCUMENTS (Including Author, Title, Date, etc.)**

	7	✓ K.L. Tsai et al., Two-Dimensional Bi-Periodic Grating Coupled One- and Two-Color Quantum Well Infrared Photodetectors, IEEE Electron Device Letters, Vol 16, No 2, February 1995

Examiner

Date Considered

Examiner: Initial if reference consider, whether or not citation is in conformance with MPEP §609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Application

RECEIVED  
 12/14/01  
 TC 2830 MAIL ROOM

2878

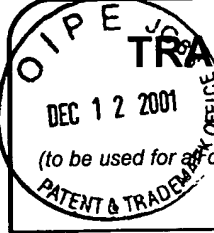
PTO/SB/21 (08-00)

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0031

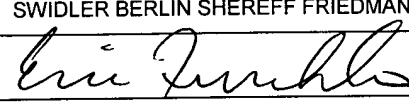
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

 <b>TRANSMITTAL FORM</b> (to be used for correspondence after initial filing)	Application Number	09/914,955
	Filing Date	September 6, 2001
	First Named Inventor	Sten Lindau
	Group Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	19391.0028

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Statement Claiming Small Entity Status <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <p style="text-align: center;"><b>PTO-1449, 7 references, International Search Report</b></p>
<div style="border: 1px solid black; padding: 5px; height: 40px;">Remarks</div>		

RECEIVED  
 2001 MAIL ROOM

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Eric J. Franklin, Reg. No. 37,134 SWIDLER BERLIN SHEREFF FRIEDMAN, LLP
Signature	
Date	December 12, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px;"></span>			
Typed or printed name			
Signature		Date	

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.